

Claims:

1. A system for securing the confidentiality of electronically stored data, comprising:

data storage means for electronically storing data;

position determination means mechanically coupled to said data storage means for continuously determining a position thereof;

processor means electrically coupled to said data storage means and said position determination means, said processor means provided with an authorized location for said data storage means, said processor means facilitating transfer of said data to and from said data storage means wherein

when said position of said data storage means matches said authorized location, said processor means facilitates transfer of said data from said data storage means without any modification of said data, and wherein

when said position of said data storage means does not match said authorized location, said processor means modifies said data transferred from said data storage means by parsing said data to be transferred from said data storage means into constituents thereof and randomly incorporating said constituents into a set of irrelevant data having storage requirements that exceed those of said data to be transferred

24 by a plurality of orders of magnitude.

1 2. A system as in claim 1 further comprising at least one
2 alarm device coupled to said processor means for generating
3 an alarm signal when said position of said data storage means
4 does not match said authorized location.

1 3. A system as in claim 1 further comprising a transmitter
2 coupled to said processor means for wirelessly transmitting
3 said position of said data storage means when said position
4 of said data storage means does not match said authorized
5 location.

1 4. A system as in claim 1 further comprising a secure
2 container for housing said data storage means, said position
3 determination means and said processor means.

1 5. A system as in claim 4 wherein said secure container
2 includes heat and blast shielding means.

1 6. A system as in claim 1 further comprising:

2 at least one sensor coupled to said data storage means
3 for sensing attempts to physically move said data storage
4 means for generating a control signal indicative thereof; and

5 destruction means coupled to said at least one sensor
6 and said data storage means for destroying at least one of
7 (i) said data storage means and (ii) said data stored on said
8 data storage means, in response to generation of said control
9 signal.

1 7. A system as in claim 6 further comprising at least one
2 alarm device coupled to said at least one sensor for
3 generating an alarm signal in response to generation of said
4 control signal.

1 8. A system as in claim 6 further comprising a transmitter
2 coupled to said at least one sensor for wirelessly
3 transmitting said position of said data storage means in
4 response to generation of said control signal.

1 9. A system as in claim 1 wherein said position
2 determination means includes a Global Positioning System
3 (GPS) receiver.

1 10. A system for securing the confidentiality of
2 electronically stored data, comprising:

3 a secure container;

4 data storage means housed in said secure container for
5 electronically storing data;

6 position determination means housed in said secure
7 container for continuously determining a position of said
8 secure container;

9 processor means housed in said secure container and
10 electrically coupled to said data storage means and said
11 position determination means, said processor means provided
12 with an authorized location for said secure container, said
13 processor means facilitating transfer of said data to and
14 from said data storage means wherein

15 when said position of said secure container matches
16 said authorized location, said processor means facilitates
17 transfer of said data from said data storage means without
18 any modification of said data, and wherein

19 when said position of said secure container does not
20 match said authorized location, said processor means modifies
21 said data transferred from said data storage means by parsing
22 said data to be transferred from said data storage means into
23 constituents thereof and randomly incorporating said
24 constituents into a set of irrelevant data having storage

25 requirements that exceed those of said data to be transferred
26 by a plurality of orders of magnitude;

27 at least one sensor coupled to said data storage means
28 for sensing attempts to physically remove said data storage
29 means from said secure container and for generating a control
30 signal indicative thereof; and

31 destruction means coupled to said at least one sensor
32 and said data storage means for destroying at least one of
33 (i) said data storage means and (ii) said data stored on said
34 data storage means, in response to generation of said control
35 signal.

1 11. A system as in claim 10 further comprising at least one
2 alarm device coupled to said processor means for generating
3 an alarm signal when said position of said secure container
4 does not match said authorized location.

1 12. A system as in claim 10 further comprising a transmitter
2 coupled to said processor means for wirelessly transmitting
3 said position of said secure container when said position of
4 said secure container does not match said authorized
5 location.

1 13. A system as in claim 10 wherein said secure container
2 includes heat and blast shielding means.

1 14. A system as in claim 10 further comprising at least one
2 alarm device coupled to said at least one sensor for
3 generating an alarm signal in response to generation of said
4 control signal.

1 15. A system as in claim 10 further comprising a transmitter
2 coupled to said at least one sensor for wirelessly
3 transmitting said position of said secure container in
4 response to generation of said control signal.

1 16. A system as in claim 10 wherein said position
2 determination means includes a Global Positioning System
3 (GPS) receiver.

1 17. A system for securing the confidentiality of
2 electronically stored data, comprising:

3 a platform;

4 data storage means mechanically coupled to said
5 platform for electronically storing data;

6 position determination means mechanically coupled to
7 said platform for continuously determining a position of said
8 platform;

9 processor means electrically coupled to said data
10 storage means and said position determination means, said
11 processor means provided with an authorized location for said
12 platform, said processor means facilitating transfer of said
13 data to and from said data storage means wherein

14 when said position of said platform matches said
15 authorized location, said processor means facilitates
16 transfer of said data from said data storage means without
17 any modification of said data, and wherein

18 when said position of said platform does not match said
19 authorized location, said processor means modifies said data
20 transferred from said data storage means by parsing said data
21 to be transferred from said data storage means into
22 constituents thereof and randomly incorporating said
23 constituents into a set of irrelevant data having storage
24 requirements that exceed those of said data to be transferred

25 by a plurality of orders of magnitude;

26 at least one sensor coupled to said data storage means
27 for sensing attempts to physically remove said data storage
28 means from said platform and for generating a control signal
29 indicative thereof;

30 destruction means coupled to said at least one sensor
31 and said data storage means for destroying at least one of
32 (i) said data storage means and (ii) said data stored on said
33 data storage means, in response to generation of said control
34 signal;

35 at least one alarm device coupled to (i) said processor
36 means for generating an alarm signal when said position of
37 said platform does not match said authorized location, and
38 (ii) said at least one sensor for generating an alarm signal
39 in response to generation of said control signal; and

40 a transmitter coupled to (i) said processor means for
41 wirelessly transmitting said position of said platform when
42 said position of said platform does not match said authorized
43 location, and (ii) said at least one sensor for wirelessly
44 transmitting said position of said platform in response to
45 generation of said control signal.

1 18. A system as in claim 17 further comprising a secure
2 container for housing said platform, said data storage means,
3 said position determination means, said processor means, said
4 at least one sensor, said destruction means, said at least
5 one alarm device and said transmitter.

1 19. A system as in claim 18 wherein said secure container
2 includes heat and blast shielding means.

1 20. A system as in claim 17 wherein said position
2 determination means includes a Global Positioning System
3 (GPS) receiver.